

COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET RICHMOND, VIRGINIA 23219 (804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT:

Intox EC/IR II

SERIAL NUMBER:

010591

CERTIFICATION DATE:

August 15, 2013

DATE RECERTIFICATION DUE:

February 11, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

Section Supervisor, Breath Alcohol

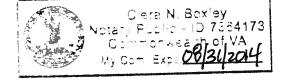
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this

by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



DBH

Department of Forensic Science Breath Alcohol Section Instrument Maintenance History 1/1/1990 To 8/16/2013

Instrument Serial Number:		010591	As of 16-Aug-13
Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
15-Aug-13	15-Aug-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
26-Feb-13	26-Feb-13	TLN (25387)	CERTIFIED
06-Sep-12	06-Sep-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
21-Mar-12	21-Mar-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
13-Oct-11	13-Oct-11	HMS (18910)	CALIBRATED AND CERTIFIED.
22-Jan-10	22-Jan-10	DBH (21250)	RESEATED U26, CERTIFIED
04-Aug-09	04-Aug-09	RJP (22428)	CERTIFIED. REPLACED DRY GAS STANDARD.
14-Apr-09	14-Apr-09	RJP (22428)	CERTIFIED.
19-Mar-09	19-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
04-Feb-09	04-Feb-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II

Quality Assurance Worksheet

Instrument Serial Number

010591

Worksheet Start Date

8/15/2013

Location

Loudoun CO SO East

Address

46620 E Frederick Dr Sterling VA 20164

DFS Technician

Donald Hall

License No.

21250

Laboratory

On-Site

Site Specifications

Yes

No

1 Secured Environment:

Location must not be accessible to the general public.

V

V

2 Environment free from contaminants

3 Dedicated telephone line: The phone line should be used solely by the instrument. V

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

V

Old serial no.

New serial no.

Supplies

Mouthpieces

Certificates of Analysis **Operator Worksheet**

100

Other:

100

Maintenance (if any)

E-Seek

Printer

UPS

Keyboard

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number	010591		Certification Date	9/45/204	2
				8/15/201	3
Instrument Barometer (mm HG)	756		Reference Barometer	(mm HG)	758
Reference Barometer(RB)Serial #	009110		RB Calibration Due	5/30/2014	4
Standard (sea level) 0.250		minimum 0.241	maximum	Sample 1	0.247
Precision	0.249	sample min	0.256 sample max	Sample 2 Sample 3	0.247 0.247
0		0.247	0.247	•	
Standard (sea level)		minimum	maximum	Sample 1	0.149
0.150 Precision	0.149	0.144 sample min	0.153 sample max	Sample 2 Sample 3	0.149 0.149
0		0.149		Sample 3	0.149
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	_	0.077	0.083	Sample 2	0.080
Precision 0		sample min 0.080	sample max 0.080	Sample 3	0.080
v		0.000	0.080		
Of and and for all 10					
Standard (sea level) 0.020	PA Target 0.020	minimum 0.017	maximum 0.023	Sample 1 Sample 2	0.019 0.019
Precision	3.023	sample min	sample max	Sample 3	0.019
0		0.019	0.019		
all measurements are in		ability records a	are located within the B	reath Alcohol Secti	on
∇ Calibrated					OH
- Calibrated	▼ Certified			standard (+O-ring)	
Dry gas standard Lot N	o. (with tank no.)		AG227501-24		
Measurement Assurance Chec	ck	▽ Run a	Breath Test (Instrur	ment Test)	
Standard (sea level)	PA Target	(successful co minimum	mpletion denotes satisf		
0.100		0.097	maximum 0.103	Sample 1 Sample 2	0.100 0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		
DFS Technician	Donoble	April astronomical transport	Date	8/16/13	
Joseph Angles	milia	1ha	1	8/21/12	
Issuing Analyst Intox EC/IR II QA Worksheet	VIII WY	y who	Date Date	DES Document 2	50 E112

Intox EC/IR II QA Worksheet
Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

Date DFS Document 250-F113

Revision 6

Page 2 of 2





COMMONWEALTH OF VIRGINIA DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	· · · · · · · · · · · · · · · · · · ·	NAME OF COURT
INSTRUMENT, TEST,		DFS
BREATH ANALYSIS		
SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
HALL, DONALD, B DES LICENSE NUMBER	LICENSE EXPIRES	DFS Central Lab DATE TEST CONDUCTED
	EIGENOE EXTITED	DATE TEST CONDOCTED
21250	10/01/2014	08/15/2013
TEST EQUIPMENT NUMBER		於原語。這些家族有數理的面數等的
010591		该信号的自己的证据的证明,他们是一个
<u> </u>		
DECEMBER 1	4:18 EDT	
RESULTS: TIME SAMPLE TAKEN	T.IV BDI	
SAMPLE'S ALCOHOL CONTENT0	.00	GRAMS PER 210 LITERS OF BREATH
		Old twic TER 210 ETTERO OF BREATTI
ATTTE OT.		
ATTEST:	DECORD OF THE TEST	COMPLICATED THAT THE TREE THAT IS A COMPLICATION OF THE PROPERTY OF THE PROPER
EQUIPMENT AND IN ACCORDANCE WITH THE	E METHODS APPROVED	CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF DEVIATION OF FORENSIC SCIENCE; THAT THE TEST WAS
CONDUCTED IN ACCORDANCE WITH 7	THE DEPARTMENT'S	S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF HE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIP-
MENT USED TO PERFORM THE BREATH TEST, A	ND THAT I POSSESS A	VALID LICENSE TO CONDUCT SUCH TEST GIVEN LINDER MY HAND
THIS DAY OF	, 20	 -
BREATH TEST OPERATOR	· · · · · · · · · · · · · · · · · · ·	
\square I HAVE RECEIVED A COPY OF THIS	CERTIFICATE OF	ANALYSIS
		SUBJECT'S SIGNATURE
\square subject refused to sign for CC	OPY OF CERTIFICA	TE OF ANALYSIS
		OPERATOR'S SIGNATURE





IntoxNet MIS Report Report Generated 16 Aug 2013 at 10:07

NON

Test Results

	Instrument Serial Nui	mber 010591
Test # 000788 Subject Test		
Test Location 1 Department of	Test Location 2 Forensic Scien	nce Test Location 3
Test Date 15 Aug 2013	Test Time 14:12	2 System Check Passed
	Remote/Local Local	
Operator's Last Name HALL	Operator's First Name DONA	LD Operator's Middle Initial B
Agency DFS Central Lab		License Number 21250
Card Serial Number 121250	Effective Date 10/01/2	2012 Expiration Date 10/01/2014
Subject's Last Name INSTRUMENT		Subject's First Name TEST
Subject's Middle Initial	Subject's Date of Birth 00/	/00/0000 Subject's Sex Male
Driver's License Number		Driver's License Expiration 00/00/0000
Driver's License State		Court Name DFS
End Date 15 Aug 2013 End Time	14:19 Result Time 14:1	18 Result Date 15 Aug 2013 Result 0.00
Data Type DIAG	Sample Value Pass	Sample Time 14:12
Data Type BLK	Sample Value 0.000	•
Data Type CHK	Sample Value 0.099	· · · · · · · · · · · · · · · · · · ·
Data Type BLK	Sample Value 0.000	Sample Time 14:15
Data Type SUBJ	Sample Value 0.000	Sample Time 14:15
Data Type BLK	Sample Value 0.000	Sample Time 14:16
Data Type SUBJ	Sample Value 0.000	Sample Time 14:18
Data Type BLK	Sample Value 0.000	Sample Time 14:19
Standard Type Dry Gas Std		Standard Value 0.100
Standard Lot Number AG210901-0	1	Standard Expiration Date 04/18/2014
Tank Pressure 649		Barometric Pressure 757 mmHg
•	Duration 3.87 sec Bio	ow Volume 2176 cc End-of-Blow Time 14:15
Blow Sample Number 2 Blow	Duration 4.22 sec Blo	ow Volume 2132 cc End-of-Blow Time 14:18
Tamper Evident Stamp ccc	:f69b4	Test Status Code 0
Test Status Success		

WX

Department of Forensic Science
Serial Number: 010591 Test Number: 789
Test Date: 08/15/2013 Test Time: 14:23 EDT

Technician Initials: DBH Dry Gas Target: 0.100

Lot Number: AG210901-01 Exp Date: 04/18/2014

Tank Pressure: 644 psi Barometric Pressure: 757 mmHg

Test	g/210L	Time
DIAG	Pass	14:23
BLK	0.000	14:24
CHK	0.099	14:25
BLK	0.000	14:26
CHK	0.099	14:27
BLK	0.000	14:28
CHK	0.098	14:29
BLK	0.000	14:30

Success

Standard Value (at sea level): 0.100 g/210L

Certification Status: Success

ONE POINT CERTIFICATION DONE PRIOR TO FIRMWARE SOFTWARE UPGRADE DUE TO CERTIFICATION WARNING ON DISPLAY

DBH 8/16/13





COMMONWEALTH OF VIRGINIA DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED		NAME OF COURT
INSTRUMENT, TEST,		DFS
BREATH ANALYSIS		
SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
HALL, DONALD, B		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
21250	10/01/2014	08/15/2013
TEST EQUIPMENT NUMBER		经证据 经经验的 医多种性 医多种性 医多种性 医多种性 医多种性 医多种性 医多种性 医多种性
010591		等,是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是
RESULTS: TIME SAMPLE TAKEN 14	4:39 EDT	
SAMPLE'S ALCOHOL CONTENT		GRAMS PER 210 LITERS OF BREATH
ATTEST:		
I CERTIFY THAT THE ABOVE IS AN ACCURATE	RECORD OF THE TEST	CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF
CONDUCTED IN ACCORDANCE WITH 7	THE DEPARTMENT'S	BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF
MENT USED TO PERFORM THE BREATH TEST. A	RIGHT TO OBSERVE T	HE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIP. A VALID LICENSE TO CONDUCT SUCH TEST GIVEN LINDER MY HAND
THIS DAY OF	, 20	
BREATH TEST OPERATOR]
		J
7		
\square I HAVE RECEIVED A COPY OF THIS	CERTIFICATE OF	ANALYSISSUBJECT'S SIGNATURE
\square subject refused to sign for ${\sf CC}$	OPY OF CERTIFICA	TE OF ANALYSIS
		OPERATOR'S SIGNATURE



IntoxNet MIS Report Report Generated 15 Aug 2013 at 14:46

Sed VSH WSL

Test Results

			instrument Serial Nı	ımber 0105	91	
Test # 000790	Subject Test					
Test Location 1 Dep	artment of	Test	Location 2 Forensic Sci	ence	Test Loca	ation 3
Test Date	15 Aug 2013		Test Time 14:	33	System	Check Passed
			Remote/Local Loc	al	-,	
Operator's Last Nam	e HALL	Ope	rator's First Name DON	ALD		Operator's Middle Initial B
Agency	DFS Central Lab			License N	Number 21250	
Card Serial Num	ber 121250		Effective Date 10/01	<i>'</i> 2012	Ex	xpiration Date 10/01/2014
Subject's Last	Name INSTRUME	ENT		Subject's F	irst Name TES	•
Subject's M	iddle Initial	S	ubject's Date of Birth 0	•		Subject's Sex Male
Driver's License	Number		•	Drive	er's License Exp	piration 00/00/0000
	Driver's License S	tate		Court Name	•	
End Date 15 Aug 20	13 End T	ime 14:40	Result Time 14	:39 Res	ult Date 15 Au	g 2013 Result 0.00
Data Type	DIAG		Sample Value Pass		•	Sample Time 14:34
Data Type	BLK		Sample Value 0.00	0		Sample Time 14:34
Data Type	CHK		Sample Value 0.09	В		Sample Time 14:35
Data Type	BLK		Sample Value 0.00	0		Sample Time 14:36
Data Type	SUBJ		Sample Value 0.00	0		Sample Time 14:37
Data Type	BLK		Sample Value 0.00	0		Sample Time 14:38
Data Type	SUBJ		Sample Value 0.00	0		Sample Time 14:39
Data Type	BLK		Sample Value 0.00	0		Sample Time 14:40
Standard	Type Dry Gas St	d			Standard V	'alue 0.100
Standard Lo	t Number AG2109	901-01		Star	ndard Expiration	n Date 04/18/2014
	Tank Pressure	629			ric Pressure 75	
Blow Sample Number	er 1	Blow Duration	3.41 sec	low Volume	1770 cc	End-of-Blow Time 14:37
Blow Sample Number	er 2	Blow Duration	3.47 sec	low Volume	1916 cc	End-of-Blow Time 14:39
Tam	per Evident Stamp	37ed1071			Test Status	s Code 0
Т	est Status Succes	S				

Intox EC/IR-II: Software Version

Department of Forensic Science
Serial Number: 010591
System Date: 08/15/2013
System Time: 15:02 EDT
Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

1,98

Intox EC/IR-II: Calibration

wh

Department of Forensic Science

Serial Number: 010591 Test Number: 791
Test Date: 08/15/2013 Test Time: 15:06 EDT

Dry Gas Target: 0.100

Lot Number: 0651210013-05 Exp Date: 04/01/2014
Tank Pressure: 487 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test g/210L Time BLK 0.000 15:06 CAL 0.100 15:07

Test Status: Success

Calibration CRC: FA805C68

Department of Forensic Science Serial Number: 010591 Test Number: 792

Technician Initials: DBH Dry Gas Target: 0.249

Lot Number: 2961225012-10 Exp Date: 11/01/2014 Tank Pressure: 453 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:11
BLK	0.000	15:12
CHK	0.247	15:13
BLK	0.000	15:14
CHK	0.247	15:15
BLK	0.000	15:17
CHK	0.247	15:18
BLK	0.000	15:19

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Department of Forensic Science

Serial Number: 010591 Test Number: 793

> Technician Initials: DBH Dry Gas Target: 0.149

Lot Number: 0651215014-07 Exp Date: 04/01/2014 Tank Pressure: 203 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:22
BLK	0.000	15:23
CHK	0.149	15:24
BLK	0.000	15:25
CHK	0.149	15:26
BLK	0.000	15:27
CHK	0.149	15:28
BLK	0.000	15:29

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DB1

DBH

Department of Forensic Science Serial Number: 010591 Test Number: 794
Test Date: 08/15/2013 Test Time: 15:31 EDT

> Technician Initials: DBH Dry Gas Target: 0.080

Lot Number: 0651208012-03 Exp Date: 04/01/2014 Tank Pressure: 419 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:32
BLK	0.000	15:32
CHK	0.080	15:33
BLK	0.000	15:35
CHK	0.080	15:35
BLK	0.000	15:37
CHK	0.080	15:37
BLK	0.000	15:39

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Department of Forensic Science

Serial Number: 010591 Test Number: 795
Test Date: 08/15/2013 Test Time: 15:41 EDT

Technician Initials: DBH Dry Gas Target: 0.020

Lot Number: 0651202011-05 Exp Date: 04/01/2014 Tank Pressure: 296 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:41
BLK	0.000	15:42
CHK	0.019	15:42
BLK	0.000	15:44
CHK	0.019	15:44
BLK	0.000	15:46
CHK	0.019	15:47
BLK	0.000	15:48

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

DBH

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010591 Test Number: 796
Test Date: 08/15/2013 Test Time: 15:51 EDT

Dry Gas Target: 0.249

Lot Number: AG205404-03 Exp Date: 02/23/2014

Tank Pressure: 237 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
BLK	$\bar{0}.000$	15:52
CHK	0.252	15:52
BLK	0.000	15:54
CHK	0.252	15:55
BLK	0.000	15:56
CHK	0.251	15:57

Test Status: Success

Calibration CRC: FA805C68

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Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010591 Test Number: 797

Dry Gas Target: 0.100 Lot Number: AG227501-24 Exp Date: 10/01/2014

Tank Pressure: 497 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	16:00
CHK	0.100	16:01
BLK	0.000	16:03
CHK	0.100	16:04
BLK	0.000	16:05
CHK	0.100	16:06

Test Status: Success

Calibration CRC: FA805C68







COMMONWEALTH OF VIRGINIA DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED		NAME OF COURT
INSTRUMENT, TEST,		DFS
BREATH ANALYSIS		
SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
HALL, DONALD, B		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
21250	10/01/2014	08/15/2013
TEST EQUIPMENT NUMBER		影情知是智慧系统对约束的形象的证
010591		是國民黨的是一門的國際學院
RESULTS: TIME SAMPLE TAKEN	16:15 EDT	9
	0.00	·
SAMPLE'S ALCOHOL CONTENT -	0.00	GRAMS PER 210 LITERS OF BREATH
		*
A IDIDIC OF D		
ATTEST: I CERTIFY THAT THE ABOVE IS AN ACCURA	TE RECORD OF THE TEST	CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF
EQUIPMENT AND IN ACCORDANCE WITH 7	THE METHODS APPROVE	D BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF
THE TEST THE ACCUSED WAS ADVISED OF I	HIS RIGHT TO OBSERVE T	HE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE FOLUP
THIS DAY OF	1, AND THAT I POSSESS , 20, 20	A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND
BREATH TEST OPERATOR		7
BREATH TEST OFERATOR		
\sqsupset I have received a copy of th	HIS CERTIFICATE OF	ANALYSIS
		SUBJECT'S SIGNATURE
☐ SUBJECT REFUSED TO SIGN FOR	CODY OF CERTIFIC	TE OF ANIALYCIC
- CODJECT REPOSED TO SIGN FOR	COFT OF CERTIFICA	OPERATOR'S SIGNATURE



IntoxNet MIS Report Report Generated 16 Aug 2013 at 10:07

DBH MSC

Test Results

—	Instrument Serial Number 0	10591
Test # 000798 Subject Test		
Test Location 1 Department of	Test Location 2 Forensic Science	Test Location 3
Test Date 15 Aug 2013	Test Time 16:08	System Check Passed
	Remote/Local Local	•
Operator's Last Name HALL	Operator's First Name DONALD	Operator's Middle Initial B
Agency DFS Central Lab	Lice	nse Number 21250
Card Serial Number 121250	Effective Date 10/01/2012	Expiration Date 10/01/2014
Subject's Last Name INSTRUMENT	Subjec	ct's First Name TEST
Subject's Middle Initial	Subject's Date of Birth 00/00/0000	
Driver's License Number		Driver's License Expiration 00/00/0000
Driver's License State		Name DFS
End Date 15 Aug 2013 End Time	16:16 Result Time 16:15	Result Date 15 Aug 2013 Result 0.00
Data Type DIAG	Sample Value Pass	Sample Time 16:09
Data Type BLK	Sample Value 0.000	Sample Time 16:09
Data Type CHK	Sample Value 0.100	Sample Time 16:10
Data Type BLK	Sample Value 0.000	Sample Time 16:12
Data Type SUBJ	Sample Value 0.000	Sample Time 16:12
Data Type BLK	Sample Value 0.000	Sample Time 16:13
Data Type SUBJ	Sample Value 0.000	Sample Time 16:15
Data Type BLK	Sample Value 0.000	Sample Time 16:16
Standard Type Dry Gas Std		Standard Value 0.100
Standard Lot Number AG227501-24		Standard Expiration Date 10/01/2014
Tank Pressure 487	Baro	ometric Pressure 756 mmHg
		me 1810 cc End-of-Blow Time 16:12
	Duration 3.42 sec Blow Volum	
Tamper Evident Stamp 5f69	fe7d	Test Status Code 0
Test Status Success		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2